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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,096	09/26/2003	Young-Jun Yoon	132-0024	7089

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EXAMINER

CHAVIS, JOHN Q.

ART UNIT	PAPER NUMBER
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2193

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/672,096

Applicant(s)

YOON, YOUNG-JUN

Examiner

John Chavis

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 April 2004 and 26 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>9/26/03</u> | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-11, 15, and 17-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Matula et al. (2002/0165995).

Claim

Matula

1. A method for providing a meta-data programming level interface, the method comprising:

See the title and the abstract.

receiving an object name from a client program via a meta-data retrieval API, wherein said object name corresponds to an object located in a runtime environment that includes one or more methods;

See item 1000 of fig. 10. The "dynamic" feature in the title and the abstract refers to the "runtime" feature. Also, see sect. 0049 and see sect. 0051 for the reference to methods.

requesting meta-data associated with said object from said runtime environment;

See sect. 0050.

receiving said meta-data for each said method included in said object; and

" " "

transmitting said meta-data for each said method to said client program via said meta-data

See sect. 0052.

Art Unit: 2193

retrieval API.

2. The method of claim 1 wherein said client program is written in Java.

See the first step of fig. 10, which refers to JMI Interface.

3. The method of claim 2 further comprising: creating an internal data structure of the input class byte array in response to said requesting; and

See sects. 0005, 0010, and 0057.

extracting a field and method data from said input class byte array to create said meta-data.

See sect. 0056 and 0065.

4. The method of claim 2 wherein said meta-data retrieval API includes a Java meta-data class.

See sect. 0018.

5. The method of claim 2 wherein said meta-data retrieval API includes a Java interface meta-data class.

" " "

6. The method of claim 2 wherein said meta-data retrieval API includes a Java method meta-data class.

" " "

7. The method of claim 2 wherein said meta-data retrieval API includes a Java field meta-data class.

" " "

8. The method of claim 2 wherein said meta-data retrieval API includes a Java meta-data type.

" " "

9. The method of claim 2 wherein said meta-data retrieval API includes a Java interface

" " "

Art Unit: 2193

meta-data type.

10. The method of claim 2
wherein said meta-data retrieval
API includes a Java parameter
meta-data type.

" " "

11. The method of claim 2
wherein said meta-data retrieval
API includes a Java exceptions
meta-data type.

" " "

Claims 15, 17-19 and 21-22 are rejected as claim 4 above.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 12-14, 16 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matula et al. as applied to claims 1-11 above, and further in view of the applicant's choice of merely selecting a specific programming language to utilize, such as C++ or how data is retrieved. The selections would have been obvious to a person having ordinary skill in the art at the time of the invention to select a specific programming for its inherent features, such as for its compatibility with a specific language and platforms or for compatibility with a specific language. As per claim 20, the information included in metadata is considered a choice of design.

Art Unit: 2193

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Chavis whose telephone number is (571) 272-3720. The examiner can normally be reached on M-F, 9:00am-5:30pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jc



John Chavis
Primary Examiner AU-2193